United States Patent [19]

Tsuetaki et al.

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[54] **MONOCENTRIC BIFOCAL CORNEAL CONTACT LENS**

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[52] **U.S. Cl.** **351/161;** 351/177

[58] **Field of Search** ..... 351/160 R, 160 H, 161, 351/162, 177

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[57] **ABSTRACT**

A bifocal contact lens blank having a front surface portion which is subdivided into distant and near vision front surface segments. The distant vision segment surface is defined by a partially spherical front surface with a first radius of curvature, and the near vision segment surface is defined by a spherical segment front surface portion with a smaller radius of curvature. The distant vision segment lies in the upper part of the lens blank and the near vision segment in the lower half; the surfaces meet along a locus of tangent points lying generally centrally of the lens and joined to each other on either side of this locus by a pair of offsetting front surfaces which extend between the lowermost edges of the distant vision segment surface and the uppermost edges of the near vision segment surface. These offsetting surfaces lie generally perpendicular to at least one of the segment surfaces, substantially along a meridian of the lens front surface.

8 Claims, 34 Drawing Figures